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Contents

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Biophysical Letters

Equilibrium Dynamics of Spermine-Induced Plasmid DNA Condensation Revealed by Fluorescence Lifetime Correlation Spectroscopy. *Jana Humpolíčková, Aleš Benda, Jan Sýkora, Radek Macháň, Teresa Kral, Barbara Gasinska, Joerg Enderlein, and Martin Hof*..... L17–L19

Kinesin Steps Do Not Alternate in Size. *Adrian N. Fehr, Charles L. Asbury, and Steven M. Block*..... L20–L22

Biophysical Theory and Modeling

A Structural, Kinetic Model of Soft Tissue Thermomechanics. *Triantafyllos Stylianopoulos, Alptekin Aksan, and Victor H. Barocas*..... 717–725

Folding Pathway of the B1 Domain of Protein G Explored by Multiscale Modeling. *Sebastian Kmiecik and Andrzej Kolinski*..... 726–736

Osmotic Pressure and Packaging Structure of Caged DNA. *Zhidong Li, Jianzhong Wu, and Zhen-Gang Wang*..... 737–746

Conformational Sampling of Peptides in Cellular Environments. *Seiichiro Tanizaki, Jacob Clifford, Brian D. Connelly, and Michael Feig*..... 747–759

A Biological Interpretation of Transient Anomalous Subdiffusion. II. Reaction Kinetics. *Michael J. Saxton*..... 760–771

Exploring the Parameter Space of Complex Self-Assembly through Virus Capsid Models. *Blake Sweeney, Tiequan Zhang, and Russell Schwartz*..... 772–783

Amplitude Variability and Extracellular Low-Pass Filtering of Neuronal Spikes. *Klas H. Pettersen and Gaute T. Einevoll*..... 784–802

Channels, Receptors, and Electrical Signaling

Single-Molecule Imaging and Fluorescence Lifetime Imaging Microscopy Show Different Structures for High- and Low-Affinity Epidermal Growth Factor Receptors in A431 Cells. *Stephen E. D. Webb, Selene K. Roberts, Sarah R. Needham, Christopher J. Tynan, Daniel J. Rolfe, Martyn D. Winn, David T. Clarke, Roger Barraclough, and Marisa L. Martin-Fernandez*..... 803–819

Ligand Binding to the Voltage-Gated Kv1.5 Potassium Channel in the Open State—Docking and Computer Simulations of a Homology Model. *Martin And er, Victor B. Luzhkov, and Johan  qvist*..... 820–831

Diffusion of Glycerol through *Escherichia coli* Aquaglyceroporin GlpF. *J r me H nin, Emad Tajkhorshid, Klaus Schulten, and Christophe Chipot*..... 832–839

Hindered Diffusion through an Aqueous Pore Describes Invariant Dye Selectivity of Cx43 Junctions. *Nathanael S. Heyman and Janis M. Burt*..... 840–854

Membranes

Metal Nanoparticle Pollutants Interfere with Pulmonary Surfactant Function In Vitro. *Mandeep Singh Bakshi, Lin Zhao, Ronald Smith, Fred Possmayer, and Nils O. Petersen*..... 855–868

Phase Behavior of a Model Bilayer Membrane with Coupled Leaves. *G. Garb es Putzel and M. Schick*..... 869–877

Coarse-Grained Molecular Dynamics Simulations of Phase Transitions in Mixed Lipid Systems Containing LPA, DOPA, and DOPE Lipids. *Eric R. May, Dmitry I. Kopelevich, and Atul Narang*..... 878–890

Nucleic Acids

- Long-Time Stretched Exponential Kinetics in Single DNA Duplex Dissociation. *Paul L. Biancaniello, Anthony J. Kim, and John C. Crocker*..... 891–896

Photobiophysics

- A Blue Light Inducible Two-Component Signal Transduction System in the Plant Pathogen *Pseudomonas syringae* pv. *tomato*. *Z. Cao, V. Buttani, A. Losi, and W. Gärtner*..... 897–905

Proteins

- Potential Protein Toxicity of Synthetic Pigments: Binding of Poncean S to Human Serum Albumin. *Hong-Wen Gao, Qing Xu, Ling Chen, Shi-Long Wang, Yuan Wang, Ling-Ling Wu, and Yuan Yuan*..... 906–917

- M-TASSER: An Algorithm for Protein Quaternary Structure Prediction. *Huling Chen and Jeffrey Skolnick*..... 918–928

- Transition States in Protein Folding Kinetics: Modeling Φ -Values of Small β -Sheet Proteins. *Thomas R. Weikl*..... 929–937

Supramolecular Assemblies

- The Physical Basis for the Head-to-Tail Rule that Excludes Most Fullerene Cages from Self-Assembly. *Stan Schein, Michelle Sands-Kidner, and Tara Friedrich*..... 938–957

- A Geometric Principle May Guide Self-Assembly of Fullerene Cages from Clathrin Triskelia and from Carbon Atoms. *Stan Schein and Michelle Sands-Kidner*..... 958–976

Spectroscopy, Imaging, Other Techniques

- Modulated Fluorescence Correlation Spectroscopy with Complete Time Range Information. *Gustav Persson, Per Thyberg, and Jerker Widengren*..... 977–985

- Analysis of FRET Signals in the Presence of Free Donors and Acceptors. *Jakub Wlodarczyk, Andrew Woehler, Fritz Kobe, Evgeni Ponimaskin, Andre Zeug, and Erwin Neher*..... 986–1000

- Subcellular Imaging of Dynamic Protein Interactions by Bioluminescence Resonance Energy Transfer. *Vincent Coulon, Martin Audet, Vincent Homburger, Joël Bockeaert, Laurent Fagni, Michel Bouvier, and Julie Perroy*..... 1001–1009

- High-Resolution Waveguide THz Spectroscopy of Biological Molecules. *N. Laman, S. Sree Harsha, D. Grischkowsky, and Joseph S. Melinger*..... 1010–1020

Cell Biophysics

- Quantitative Analysis of the Binding of Ezrin to Large Unilamellar Vesicles Containing Phosphatidylinositol 4,5 Bisphosphate. *Guillaume Blin, Emmanuel Margeat, Kevin Carvalho, Catherine A. Royer, Christian Roy, and Catherine Picart*..... 1021–1033

- Enhancement of L-Selectin, but Not P-Selectin, Bond Formation Frequency by Convective Flow. *Christopher D. Paschall, William H. Guilford, and Michael B. Lawrence*.... 1034–1045

- Recoil and Stiffening by Adherent Leukocytes in Response to Fluid Shear. *Mark F. Coughlin, David D. Sohn, and Geert W. Schmid-Schönbein*..... 1046–1051

- Fluorescence Fluctuation Analysis of *Arabidopsis thaliana* Somatic Embryogenesis Receptor-Like Kinase and Brassinosteroid Insensitive 1 Receptor Oligomerization. *Mark A. Hink, Khalid Shah, Eugenia Russinova, Sacco C. de Vries, and Antonie J. W. G. Visser*..... 1052–1062

- Reversal of Cell Polarity and Actin-Myosin Cytoskeleton Reorganization under Mechanical and Chemical Stimulation. *Jérémie Dalous, Emmanuel Burghardt, Annette Müller-Taubenberger, Franz Bruckert, Günther Gerisch, and Till Bretschneider*..... 1063–1074

- Molecular Mechanics of Filamin's Rod Domain. *Kevin S. Kolahi and Mohammad R. K. Mofrad*... 1075–1083

- Munc-18-1 Regulates the Initial Release Rate of Exocytosis. *Jeff W. Barclay*..... 1084–1093

Electrophysiology

- Analysis of Damped Oscillations during Reentry: A New Approach to Evaluate Cardiac Restitution. *Adelina Munteanu, Aleksandar A. Kondratyev, and Jan P. Kucera*..... 1094–1109

Contents (continued)

Other

Effects of Salt Concentrations and Bending Energy
on the Extent of Ejection of Phage Genomes.
*Alex Evilevitch, Li Tai Fang, Aron M. Yoffe,
Martin Castelnovo, Donald C. Rau, V. Adrian Parsegian,
William M. Gelbart, and Charles M. Knobler*..... 1110–1120

Characterization of Synchronization in Interacting
Groups of Oscillators: Application to Seizures.
*István Z. Kiss, Mark Quigg, Shi-Hyung Calvin Chun,
Hiroshi Kori, and John L. Hudson* 1121–1130

Author Index 1131

Cover picture: Diffusion of glycerol through the homotetrameric *Escherichia coli* aquaporin GlpF. A cross-sectional view of one of the four channels (*orange ribbons*) highlights pore-lining residues (*blue transparent surface*) and residues Phe-200 and Arg-206 of the selectivity filter (*licorice*). The pore is filled with water (*licorice*) and contains one glycerol molecule (*space-filling*) located at the selectivity filter. Glycerol tumbles and isomerizes as it diffuses along the narrow channel. See the article by Hénin et al. on page 832.